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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/192,205	11/13/1998	GAIL A. ALVERSON	324758001US	9482

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EXAMINER

BANANKHAH, MAJID A

ART UNIT PAPER NUMBER

2156

DATE MAILED: 09/26/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.
09/192,205

Applicant(s)
Gail A. Alverson et al.

Examiner
Majid A. Banankhah

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2156



— The MAILING DATE of this communication appears on the cover sheet with the correspondence address —

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on Nov 13, 1998

2a) ☐ This action is FINAL. 2b) ☐ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 35 C.D. 11; 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) 1-105 is/are pending in the application

4a) Of the above, claim(s) _____ is/are withdrawn from consideration

5) ☐ Claim(s) _____ is/are allowed.

6) ☐ Claim(s) _____ is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☒ Claims 1-105 are subject to restriction and/or election requirements.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☐ The drawing(s) filed on _____ is/are a) ☐ accepted or b) ☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.

12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13) ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☐ All b) ☐ Some* c) ☐ None of:

- ☐ Certified copies of the priority documents have been received.
- ☐ Certified copies of the priority documents have been received in Application No. _____.
- ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

*See the attached detailed Office action for a list of the certified copies not received.

14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

a) ☐ The translation of the foreign language provisional application has been received.

15) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- ☐ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s). _____
- ☐ Interview Summary (PTO-413) Paper No(s). _____
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: _____

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Election/Restriction

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:

Group **I** Claims 1-13, and 17 drawn to entry replacement strategy, classified in Class 711, subclass 133.

Group **II** Claims 14-16, and 51-66 drawn to resource allocation, classified in Class 709, subclass 104.

Group **III** Claims 18-20, 101-105 drawn to task management and control, classified in Class 709, subclass 100.

Group **IV** Claims 21-29, drawn to Upgrade/install encryption (e.g. data processing protection encryption when an encryption routine is enhanced or introduced), classified in Class 713, subclass 191.

Group **V** Claims 30-50, drawn to Network resource accessing, classified in class 709, subclass 226.

Group **VI** Claims 67-100 drawn to context switching, classified in Class 709, subclass 108.

2. Inventions **I-VI** are related as sub-combinations disclosed as usable together in a single combination. The sub-combinations are distinct from each other if they are shown to be separately

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usable. In the instant case, inventions I-VIII has separate utility such as, (I) Entry replacement strategy (provisions for determining when the contents of a cache location may be replaced with other data), (II) resource allocation (allocating digital data processing system resources for tasks and often including deciding how best to use the available resources to get the job done), (III) task management and control (means or steps for administering over processor for job execution in a digital data processing system), (IV) Upgrade/install encryption (e.g. data processing protection encryption when an encryption routine is enhanced or introduced, (V) Network resource accessing (means or steps for apportioning resources to one or more computers on a network), (VI) context switching (saving or restoring state data of a task, process, or thread in a preemptive, non preemptive multitasking system). Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification and have acquired a separate status in the art because of their recognized divergent subject matter, and the search required for Groups **I-VIII** are different, restriction for examination purposes as indicated is proper.

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3. Applicant is advised that the response to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed.

A *shortened statutory period* for response to this office action is set to expire **ONE MONTH**. Or thirty days, whichever is longer, from the mailing date of this communication. (35 U.S.C. § 133). Extensions of time may be obtained under the provision of 37 CFR 1.136(a).

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Maid A. Banankhah** whose voice telephone number is (703) 308-6903. A voice mail service is also available at this number.

All response sent to U.S. Mail should be mailed to:
Commissioner of Patent and Trademarks
Washington, D.C. 20231

Hand-delivered responses should be brought to Crystal Park Two, 2021 Crystal Drive, Arlington. VA, Six Floor (Receptionist).
All hand-delivered responses will be handled and entered by the docketing personnel. Please do not hand deliver responses to the Examiner.

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All Formal or Official Faxes must be signed and sent to either (703) 746-7239 or (703) 746-7239. Official faxes will be handled and entered by the docketing personnel. The date of entry will correspond to the actual FAX reception date unless that date is a Saturday, Sunday, or a Federal Holiday within the District of Columbia, in which case the official date of receipt will be the next business day. The application file will be promptly forwarded to the Examiner unless the application file must be sent to another area of the office, e.g., Finance Division for fee charging, etc.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-9600.

Maid Banankhah

September 25, 2002


MAID BANANKHAH
PRIMARY EXAMINER